

Title (en)  
GAS GENERATING COMPOSITIONS

Title (de)  
GASERZEUGUNGSZUSAMMENSETZUNGEN

Title (fr)  
COMPOSITIONS GENERATRICES DE GAZ

Publication  
**EP 1680380 A2 20060719 (EN)**

Application  
**EP 04795004 A 20041012**

Priority  
• US 2004033783 W 20041012  
• US 51005603 P 20031009

Abstract (en)  
[origin: WO2005035466A2] The present invention generally relates to gas generant compositions for inflators of occupant restraint systems, for example. An extrudable pyrotechnic composition includes polyvinylazoles for use within an airbag gas generator. The fuel may be selected from exemplary polyvinylazoles including 5-amino-1-vinyltetrazole, poly (5-vinyltetrazole), poly (2-methyl-5-vinyl) tetrazole, poly(1-vinyl) tetrazole, poly(3-vinyl) 1,2,5 oxadiazole, and poly(3-vinyl) 1,2,4-triazole. An oxidizer is combined with the fuel and preferably contains phase stabilized ammonium nitrate.

IPC 1-7  
**C06B 45/10**

IPC 8 full level  
**C06B 43/00** (2006.01); **C06B 45/10** (2006.01); **C06D 5/06** (2006.01); **C08F 226/06** (2006.01)

IPC 8 main group level  
**C06D** (2006.01)

CPC (source: EP US)  
**C06B 45/10** (2013.01 - EP US); **C06D 5/06** (2013.01 - EP US); **C08F 226/06** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005035466A2

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**WO 2005035466 A2 20050421**; **WO 2005035466 A3 20060504**; EP 1680380 A2 20060719; JP 2007508230 A 20070405;  
US 2005230017 A1 20051020

DOCDB simple family (application)  
**US 2004033783 W 20041012**; EP 04795004 A 20041012; JP 2006534470 A 20041012; US 96405204 A 20041012